

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) [[A]] An organic light emitting diode (OLED) display device consisting of a plurality of pixels with at least one pixel, each pixel emitting light in one of a plurality of colors, comprising:

a lower electrode layer;

a photo-resist layer, said photo-resist layer fabricated upon said lower electrode layer, said photo-resist layer patterned into a plurality of mushroom banks to define at least one pocket pockets upon said lower electrode layer, each the mushroom banks having a lower portion and an upper portion, where the lower portion is closer to the lower electrode layer than the upper portion and at least part of the upper portion is wider than at least part of the lower portion, the pocket completely surrounding and defining the an active region of each of said pixels the pixel, so that the pixel is surrounded by the mushroom banks on all sides;

a plurality of polymer layers in the pocket, said polymer layers formed by dropping a liquid substance into each of said defined pockets and allowing said substance to dry therein; and

an upper electrode layer patterned above said polymer layers, said upper and lower electrode layers capable of conducting electrical energy to said polymer layers causing to cause at least one of said polymer layers to emit light thereby.

2. (Currently Amended) A display device according to claim 1 wherein said mushroom banks overhang a portion of the lower electrode layer.

3. (Currently Amended) A display device according to claim 2 wherein said liquid substance includes polymer layers include at least partially organic materials.

4. (Currently Amended) A display device according to claim 2 wherein said polymer layers include:

a conducting polymer layer which ~~aid in the transport~~ is capable of transporting electrical energy; and

[[a ]] an emitting polymer layer for emitting light in one of said colors upon activation by said electrical energy.

5. (Currently Amended) A display device according to claim 4 wherein the emitting polymer is capable of emitting in one of said colors includes white, red, green and or blue-colors.

6. (Currently Amended) A display device according to claim 5 wherein the configuration of the mushroom banks is varied in accordance with selected according to the properties of the substance to be deposited in each pocket polymer layers.

7. (Currently Amended) A display device according to claim 1 wherein the configuration of said mushroom banks is trapezoidal.

8. (Currently Amended) A display device according to claim 1 wherein said substance when dried has polymer layers have a substantially flat and substantially uniform profile.

9. (Currently Amended) A display device according to claim 1 wherein the configuration of the mushroom banks is T-shaped.

10. (Currently Amended) A display device according to claim 1 wherein the configuration of said mushroom banks is such that the walls of the mushroom banks are curved.

11. (Currently Amended) A display device according to claim 4 wherein said lower electrode layer is an anode layer and said upper electrode layer is a cathode layer.

12. (Currently Amended) A display device according to claim 1 wherein the configuration of the mushroom banks includes a plurality of different shapes coalesced together.

13. (Withdrawn – Currently Amended) A method of fabricating an organic electronic device with at least one pixel, said method comprising:

patterning a lower conducting layer upon a substrate;

fabricating a photo-resist layer upon said lower electrode layer, said photo-resist layer patterned into a plurality of mushroom banks to define pockets at least one pocket upon said lower electrode layer, each pocket surrounding and defining the active region of each of said pixels the pixel so that the pixel is surrounded by the mushroom banks on all sides, wherein the mushroom banks have a lower portion and an upper portion, where the lower portion is closer to the lower electrode layer than the upper portion and at least part of an upper portion is wider than at least part of the lower portion; and

depositing at least one liquid substance into each said pocket[[],] :

allowing said liquid substance allowed to dry into polymer layers composed of organic materialsmaterial; and

forming a patterned upper electrode layer above said polymer layers, said upper and lower electrode layers capable of conducting electrical energy to to said polymer layers to cause at least one of said polymer layers to emit light.

14. (Withdrawn) A method according to claim 13 wherein said mushroom banks overhang a portion of said lower conducting layer.

15. (Withdrawn) A method according to claim 13 wherein said organic electronic device is an organic light emitting diode (OLED) display.

16. (Withdrawn) A method according to claim 15 wherein each said pocket defines a pixel of said display.

17. (Withdrawn – Currently Amended) A method according to claim 16 wherein said liquid substance includes an emissive polymer, said emissive polymer capable of emitting light upon application of electrical energy thereto, and said layers including thereby an emissive polymer layer.

18. (Cancelled)

19. (Withdrawn – Currently Amended) A method according to claim [[18 ]]17, wherein said at least one liquid substance ~~also includes an additional a~~ conducting polymer, the method further comprising allowing said conducting polymer substance ~~allowed~~ to dry into a conducting polymer layer, said conducting polymer layer ~~an additional layer of said layers of organic materials and disposed upon said emissive polymer layer.~~

20. (Withdrawn) A method according to claim 13 wherein the configuration of said mushroom banks is trapezoidal.

21. (Withdrawn) A method according to claim 13 wherein said substance when dried has a substantially flat and substantially uniform profile.

22. (Withdrawn) A method according to claim 13 wherein the configuration of the mushroom banks is T-shaped.

23. (Withdrawn) A display according to claim 13 wherein the configuration of said mushroom banks is such that the walls of the mushroom banks are curved.

24. (Withdrawn – Currently Amended) A method according to claim 13 wherein said patterning of fabricating the photo-resist layer including mushroom banks is performed includes using lithographic processes.

25. (Withdrawn) A method according to claim 13 wherein the configuration of mushroom banks includes a plurality of different shapes coalesced together.

26. (New) An organic light emitting diode (OLED) device comprising at least one pixel, comprising:

a lower electrode layer;

a photo-resist layer, said photo-resist layer fabricated upon said lower electrode layer, said photo-resist layer patterned into a plurality of mushroom banks to define at least one pocket upon said lower electrode layer, the mushroom banks having a lower portion and an upper portion, where the lower portion is closer to the lower electrode layer than the upper portion and at least part of the upper portion is wider than at least part of the lower portion, the pocket completely surrounding and defining an active region of the pixel;

a plurality of polymer layers, wherein the wider part of the upper portion of the mushroom banks extends over an edge of at least one of the plurality of polymer layers; and

an upper electrode layer patterned above said polymer layers, said upper and lower electrode layers capable of conducting electrical energy to said polymer layers to cause at least one of said polymer layers to emit light.